United States Department of Agriculture | Forest Service | Northeastern Area State & Private Forestry | 180 Canfield Street Morgantown, WV 26505

Reply To: 3460

Date: January 6, 1993

Mr. James Young, Superintendent
Catoctin Mountain Park
USDA National Park Service
Thurmont, MD 21788

Dear Mr. Young:

In 1986, USDA Forest Service initiated a gypsy moth monitoring / detection / intervention program at Catoctin Mountain Park (CMP). The purpose of this program was to evaluate gypsy populations and implement intervention tactics before the gypsy moth caused widespread defoliation and subsequent tree mortality. The gypsy moth program of activities at CMP in 1992 included an aerial defoliation survey, male moth trapping and egg mass surveys.

The results from this year's program of activities at CMP indicate that gypsy moth populations are extremely low. No defoliation was detected at or near CMP during the aerial survey (see report dated 7/28/92). Male moth traps were deployed and checked at 82 grid points (Figure 1). Male moth catches ranged from 2-2046 and averaged 732 moths per trap (Table 1). Egg masses were detected at only 3 of 89 grid points (Figure 2). Egg mass densities ranged from 0-40 and averaged only 1 egg mass per acre (Table 2).

Given the low level of gypsy moth population that exist at CMP, we do not expect any noticeable defoliation in 1993. No treatment is necessary in 1993.

If you have any questions or require additional information, please call me at 304-285-1541.

Sincerely,

Rodney L. Whiteman

RODNEY L. WHITEMAN
Forestry Technician
Forest Health Protection

Enclosures

cc: AO
Becky Reddinger, CMP
Roger Steintl, CMP
Jim Sherald, CUE
Harvey Shultz, Northern Division
Lt. Huxel, Public Works
Charlie Calahan, CMP
Robert Tichenor, MDA

Table 1. -- Results of the gypsy moth trapping program at the grid points for Catoctin Mountain Park, 1992.

Grid Point	# of Male Moths	Grid Point	# of Male Moths
C-3	838	J-7	1397
C-4	1052	J-8	1502
D-2	84	J-9	80
D-3	760	J-10	1450
D-4	430	J-11	1220
E-1	775	J-12	20
E-2	418	K-4	218
E-3	245	K-5	990
E-4	300	K-6	1174
E-5	125	K-7	865
F-1	420	K-8	1030
F-2	100	K-9	1234
F-3	85	K-10	15
F-4	550	K-11	2046
F-5	35	K-12	25
F-6	400	K-13	**
F-7	**	K-14	**
F-8	*	L-4	550
G-2	636	L-5	738
G-3	750	L-6	776
G-4	534	L-7	1350
G-5	710	L-8	990
G-6	*	L-9	620
G-7	1715	L-10	42
G-8	*	L-11	525
H-2	924	L-12	1510
H-3	220	L-13	150
H-4	596	L-14	1868
H-5	2	M-4	956
H-6	**	M-5	580
H-7	1036	M-6	380
H-8	1356	M-7	994
I-2	520	M-8	714
I-3	336	M-9	1146
I-4	400	M-10	385
I-5	12	M-11	750
I-6	320	M-12	1430
I-8	933	M-13	1456
I-9	1180	M-14	1630
I-10	1375	N-11	949
I-11	240	N-12	1092
J-2	280	N-13	1092
J-3	305	O-12	1049
J-4	795	O-13	878
J-5	367		

Range = 2-2046 male moths
Average = 732 male moths

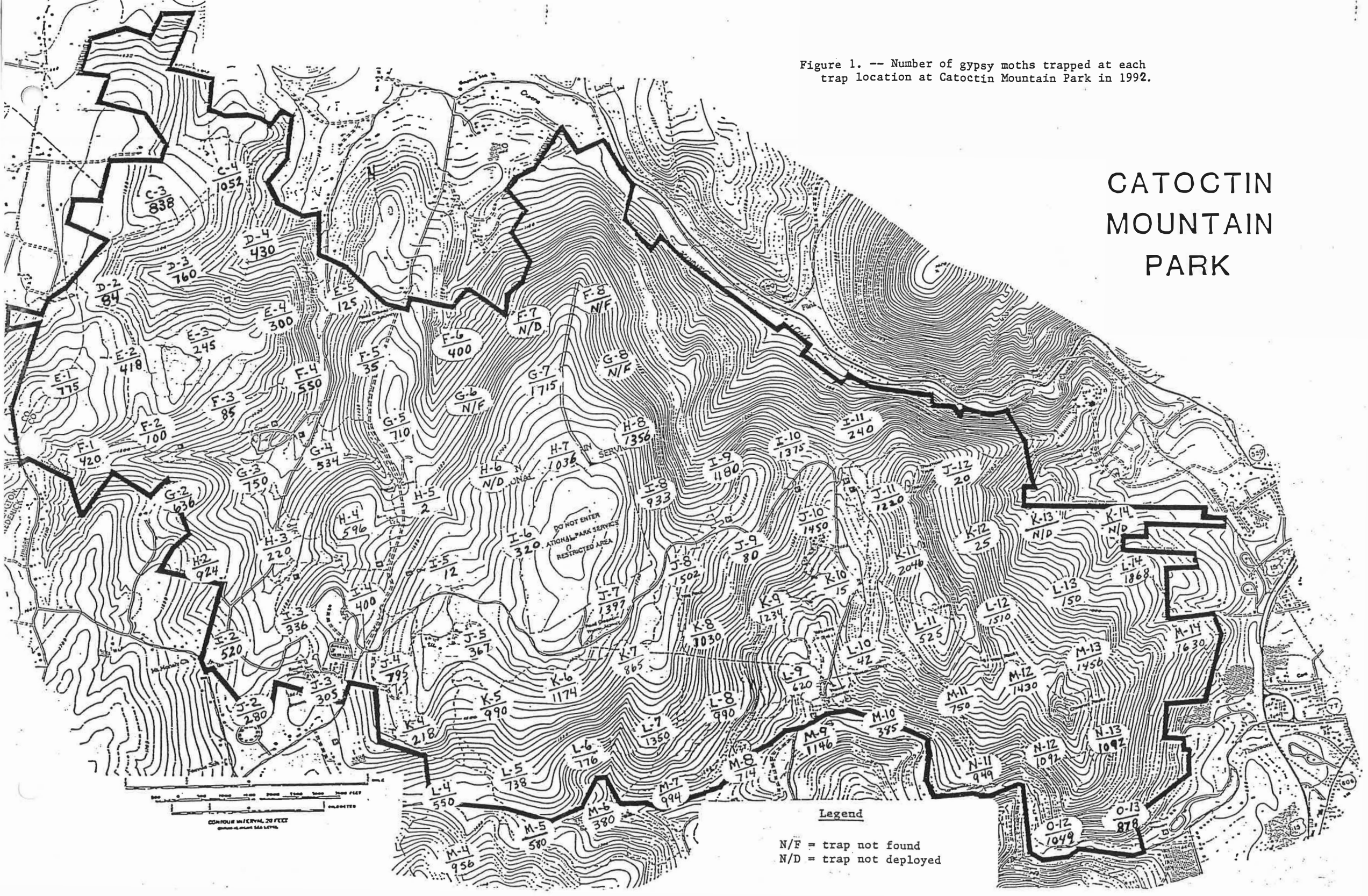
* = trap was not found
** = trap was not deployed

Table 2. -- Results of the 1992 gypsy moth egg mass survey, Catoctin Mountain Park.

Grid Point	# Egg Masses/Acre	Grid Point	# Egg masses/Acre
C-3	0	J-7	0
C-4	0	J-8	0
D-2	0	J-9	0
D-3	0	J-10	0
D-4	0	J-11	0
E-1	0	J-12	0
E-2	0	K-4	0
E-3	0	K-5	0
E-4	0	K-6	0
E-5	0	K-7	0
F-1	0	K-8	0
F-2	0	K-9	0
F-3	0	K-10	0
F-4	0	K-11	0
F-5	0	K-12	0
F-6	0	K-13	0
F-7	0	K-14	0
F-8	0	L-4	0
G-2	0	L-5	0
G-3	0	L-6	0
G-4	0	L-7	0
G-5	0	L-8	0
G-6	0	L-9	0
G-7	0	L-10	0
G-8	0	L-11	0
H-2	0	L-12	0
H-3	0	L-13	0
H-4	0	L-14	0
H-5	0	M-4	40
H-6	0	M-5	0
H-7	0	M-6	0
H-8	0	M-7	0
I-2	0	M-8	0
I-3	0	M-9	0
I-4	0	M-10	0
I-5	0	M-11	0
I-6	0	M-12	0
I-8	0	M-13	0
I-9	0	M-14	0
I-10	0	N-11	0
I-11	0	N-12	0
J-2	0	N-13	40
J-3	0	O-12	0
J-4	0	O-13	40
J-5	0		

Range = 0-40 egg masses/acre
Average = 1 egg masses/acre

Figure 1. -- Number of gypsy moths trapped at each trap location at Catoctin Mountain Park in 1992.



Legend

N/F = trap not found
N/D = trap not deployed

Figure 2.--Grid point locations at Catoctin Mountain Park and 1992 gypsy moth egg mass survey results.